ift-Nachweis

Number	21-001999-PR02 (NW-K20-06-en-02)
Owner	FEAL d.o.o. Trnska cesta 146 88220 Siroki Brijeg Bosnia and Herzegovina
Product	Metal profiles with thermal break
Designation	System: TERMO 65 plus
Details	Material Aluminium alloy - anodised - painted - powder coated; Projected width from - to 61 mm - 170 mm; Structural depth 65 mm; Thickness of infill 40 mm; Edge cover of infill 15 mm; Inlay material User specific - XPE; **Thermal break:** Material Low Lambda PA 66 GF25; Length of bars 34 mm; Thickness of the bars 1.2 mm - 1.8 mm; Inlay material User specific - XPS (Thickness up to 60 mm); Casement; Designation FT-1420F; Frame; Designation FT-1400F; Mullion; Designation FT-1441F; Casement overlap profile; Designation FT-1450F
Special features	

Result

Calculation of thermal transmittance (Radiosity-Method) according to EN ISO 10077-2:2017-07

U_f = 1.1 W/(m²K) – 1.5 W/(m²K)

ift Rosenheim
16.07.2021

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Building Physics

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Operating Testing Officer
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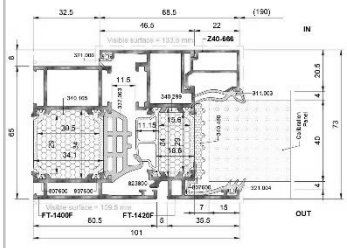
Basis *)

EN ISO 10077-2:2017-07
*) and corresponding national versions e.g. DIN EN)

Test report: 21-001999-PR02 (PB-K20-06-en-02)

Replaces ift-Nachweis 21-001999-PR02 (NW-K20-06-en-01), dated 15.07.2021

Representation
Exemplary test specimen



Instructions for use

The results obtained can be used as evidence in accordance with the above basis.

Validity

There is no time limit.
When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

The data and detailed results given relate solely to the tested/described specimen.

This test does not allow any statement to be made on further characteristics of the present structure regarding performance and quality, in particular the effects of weathering and ageing.

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies. The document may only be published in full.

Identity-Check

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Testing and Calibration – EN ISO/IEC 17025
Inspection – EN ISO/IEC 17020
Product Certification – EN ISO/IEC 17065
Certification of Management Systems – EN ISO/IEC 17021

Notified Body 0757
PÜZ-Stelle: BAY 18

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-11349-01-00

Type list for calculations of thermal transmittance according to EN ISO 10077-2:2017-07

Test result

Calculated thermal transmittance:

Specimen No.	Description	Projected width b_f in mm	Filling thickness d_p in mm	U_f [1] in W/(m²K)
-01	FT-1400F	61	40	1,2
-02	FT-1400F - FT-1420F	101	40	1,5
-03	FT-1441F	89	40	1,1
-04	FT-1441F - FT-1420F	130	40	1,4
-05	FT-1420F - FT-1441F - FT-1420F	170	40	1,5
-06	FT-1420F - FT-1450F - FT-1420F	142	40	1,5

[1] Calculated and rounded according to EN ISO 10077-2 using the radiosity method.